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REVISED

File

Approved For Release 2001/03/06 : CIA-RDP78B04747A000400040003-1  
R & D CATALOG FORM

1 September 1965

## 1. PROJECT TITLE/CODE NAME

Specific Format  
Contact Chip Printer

## 2. SHORT PROJECT DESCRIPTION

Design, fabricate and test a high resolution contact printer 4" X 5" cut film stock.

## 4. LOCATION OF CONTRACTOR

3. CLASS OF CONTRACTOR  
Manufacturer

## 6. TYPE OF CONTRACT

Fixed Price (Redeterminable) C P I F

## 8. REQUISITION NO.

5500-2778-64

## 9. BUDGET PROJECT NO.

NP-RT-4

10. EFFECTIVE CONTRACT DATE  
(Begin - end)June 1964 - October 1967  
December 1966

## 11. SECURITY CLASS.

A. A. - Confidential  
T. - Unclassified  
W. - Unclassified

## 12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION

DI/NPIC/P&amp;DS /2477 25X1A

13. REQUIREMENT/AUTHORITY The practice of using film chips cut from duplicate roll film stock for mensuration and photo analysis has led to the development of a contact printer which will produce, on cut film stock, a standard size image area containing all the necessary parameters for mensuration, storage and retrieval.

## 14. TYPE OF WORK TO BE DONE

Engineering Development

## 15. CATEGORIES OF EFFORT

## MAJOR CATEGORY

Reproduction Techniques  
and Materials

## SUB-CATEGORIES

Processors/Printers

## 16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC.

The end result of this development effort will be a prototype specific format contact chip printer, a final report, design drawings and training.

## 17. SUPPORTING OR RELATED CONTRACTS (Agency &amp; Other)/COORDINATION

The only known related contract for similar equipment was one by USAF (RADC) in 1962 for the development of a prototype 70 X 100 mm chip printer, in 1962. This instrument, for all practical purposes, was a breadboard model upon which considerable effort has been expended without any practical results. (Continued)

## 18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT (Continue on additional page if required)

This development effort was established to build the contact chip printer necessary for printing high-resolution contact prints of specific target areas for analysis and mensuration. Phase I - the investigative, study and design phase has been completed. Under Phase I, several additions and changes were introduced as the design progressed. The initial funding of [REDACTED] was to cover both Phase I and Phase II - fabrication, installation and training. However, due to those design changes in Phase I, which affect the fabrication in Phase II, (continued)

## 19. APPROVED BY AND DATE

OFFICE

DEPUTY DIRECTOR

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R&D CATALOG FORM (Continued)

Contact Chip Printer

17.

Coordination has been effected with Headquarters USAF (DDR&E) and RADC on this effort to insure no unnecessary duplication. This project was carried under the FY-65 Catalog as NP-R-1, and under the FY 66 Catalog as NP-RT-4.

18.

25X1A

*was*

25X1A additional funding in the amount of [REDACTED] is required (reference memorandum P&DS/236-64, dated 18 December 1964 to Chief, Support Staff, NPIC, Subject: Proposed changes - [REDACTED] Phase I, Project 4014 and memorandum 25X1A P&DS/241-64, dated 23 December 1964 to Chief Support Staff, NPIC, Subject: Investigation of Additional Technical Areas, [REDACTED] Project 4014). Specific changes involved include:

- a. Chip Ejection Mechanism and Magazine Loading
- b. Data Recording
- c. Magnified Image and Photo-cell pick-off
- d. Parity
- e. Security Classification Fonts
- f. Teletype

25X1A Additionally, several changes were requested which ~~are being~~ <sup>were</sup> incorporated at no cost to the Government. ~~The above changes will extend the delivery date to thirteen months after commencement of Phase II.~~

*The present funding request of [REDACTED] for a Change-in-Scope results from work performed by the contractor to resolve interface problems between the chip printer and the chip processor previously built. ~~under Contract 961~~ In order to have compatible equipment, much <sup>necessary</sup> redesign, relocation and rework was ~~necessary~~ accomplished on the processor magazines, the print magazine and the film chip holders. The work has been completed as it was necessary to proceed with the corrections in order to complete the printer which is due for in-plant testing during October 1967.*

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